SWP Weekly Water Quality Summary

June 8 to June 15, 2010

Electrical Conductivity (EC): Concentrations decreased at Harvey O. Banks Pumping Plant (HBP), Check 29, Check 41, Barker Slough and Vallecitos. Concentrations ranged from 235 to 462 µS/cm (141 to 277 mg/L), below the Article 19 Monthly Average Objective of 733 µS/cm (440 mg/L). As of June 15, 2010, the lowest concentration of 235 µS/cm (141 mg/L) occurred at HBP, while the highest concentration of 421 µS/cm (253 mg/L) occurred at Check 29. Concentrations at HBP decreased from 313 µS/cm on June 8 to 235 µS/cm (188 to 141 mg/L) on June 15, 2010.

Bromide*: Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.07 to 0.21 mg/L. As of June 15, HBP had the lowest concentration of 0.07 mg/L, while the highest concentration of 0.18 mg/L occurred at Check 29.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels increased at Check 29, Check 41, Barker Slough and Vallecitos, but decreased at HBP. Turbidity levels ranged from 8.2 NTU to 59.8 NTU. As of June 15, 2010, the lowest level of 9.6 NTU occurred at Vallecitos, while the highest level of 59.8 NTU occurred at Barker Slough. Turbidity levels at HBP decreased from 20.0 NTU to 16.6 NTU as of June 15, 2010.

Dissolved Organic Carbon (DOC): Concentrations increased from 3.1 mg/L to 3.4 mg/L at Check 13, but decreased from 3.2 mg/L to 2.6 mg/L at HBP and from 3.2 mg/L to 3.1 mg/L at Edmonston as of June 15, 2010.

Taste and Odor Compounds: As of June 9, 2010, MIB and geosmin concentrations in the SWP range from non-detect to 6 ng/L at Clifton Court Inlet, HBP, O'Neill Outlet, Del Valle Check 7, Check 41, Check 66, Lake Castaic, Lake Perris, and Silverwood Lake.

Ground water pump-ins to the California Aqueduct from June 8 to June 15, 2010 totaled 3,629 AF. The breakdown of the total volume was:

- Arvin-Edison Water Storage District = 275 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 2,927 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 399 AF
- Semitropic (2&3) Water Storage District = 28 AF
- Wheeler Ridge Maricopa Water Storage District = 0 AF

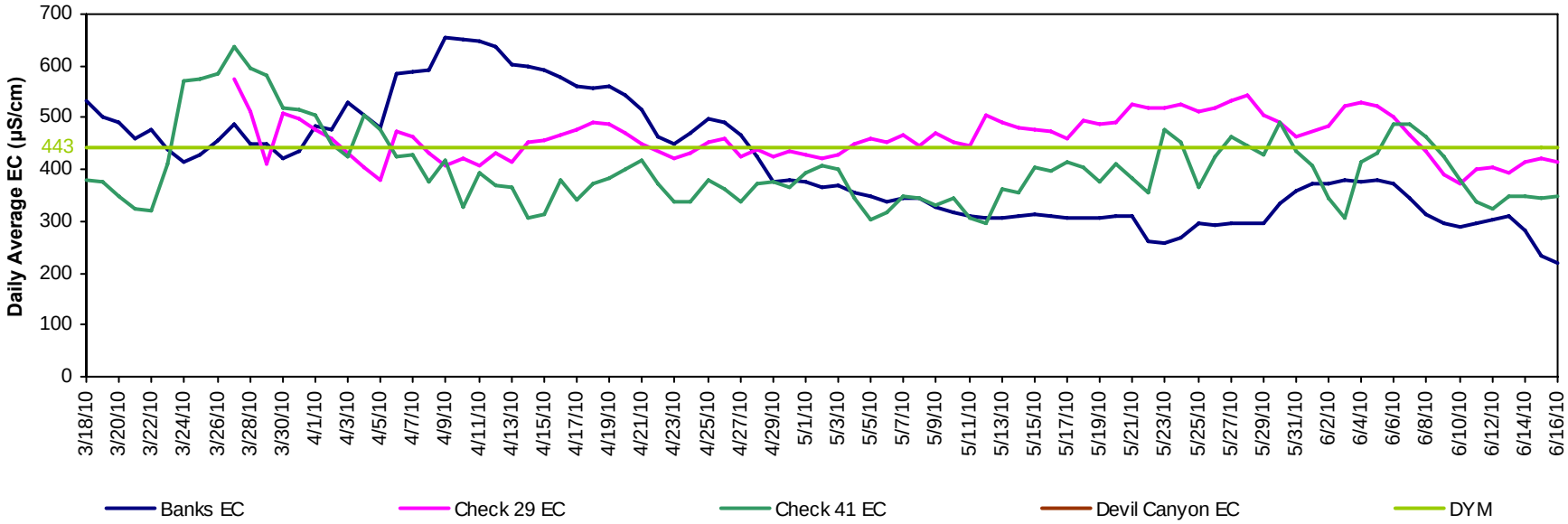
As of June 15, 2010, no data was available for Devil Canyon due to malfunctioning instruments.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP).

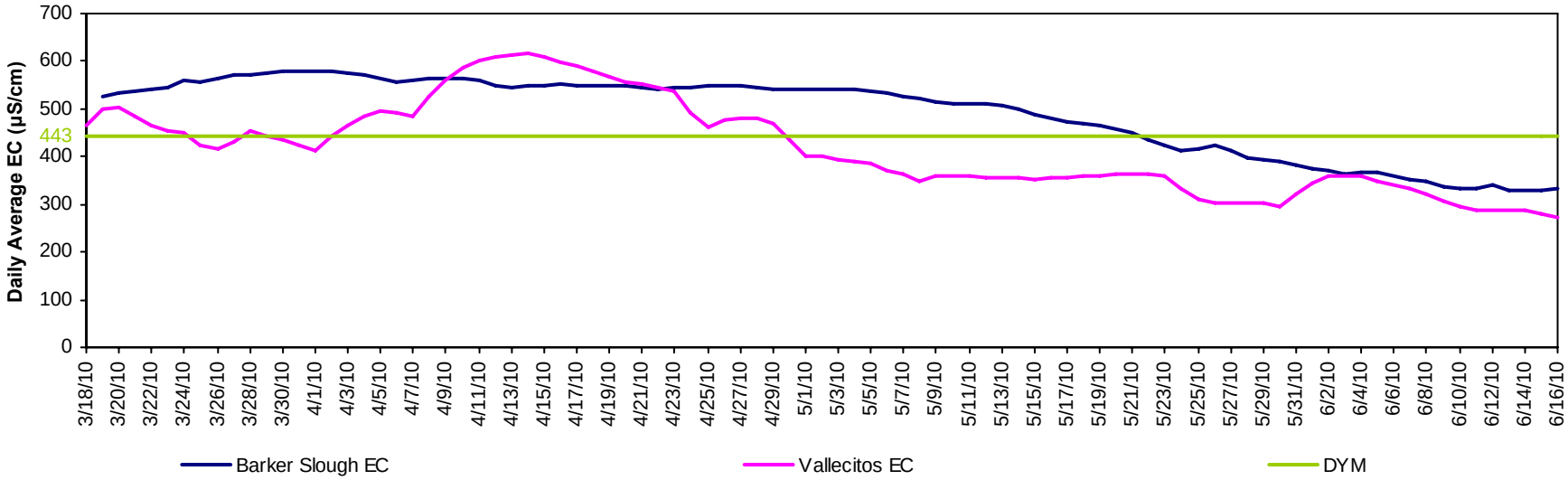
Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit: www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

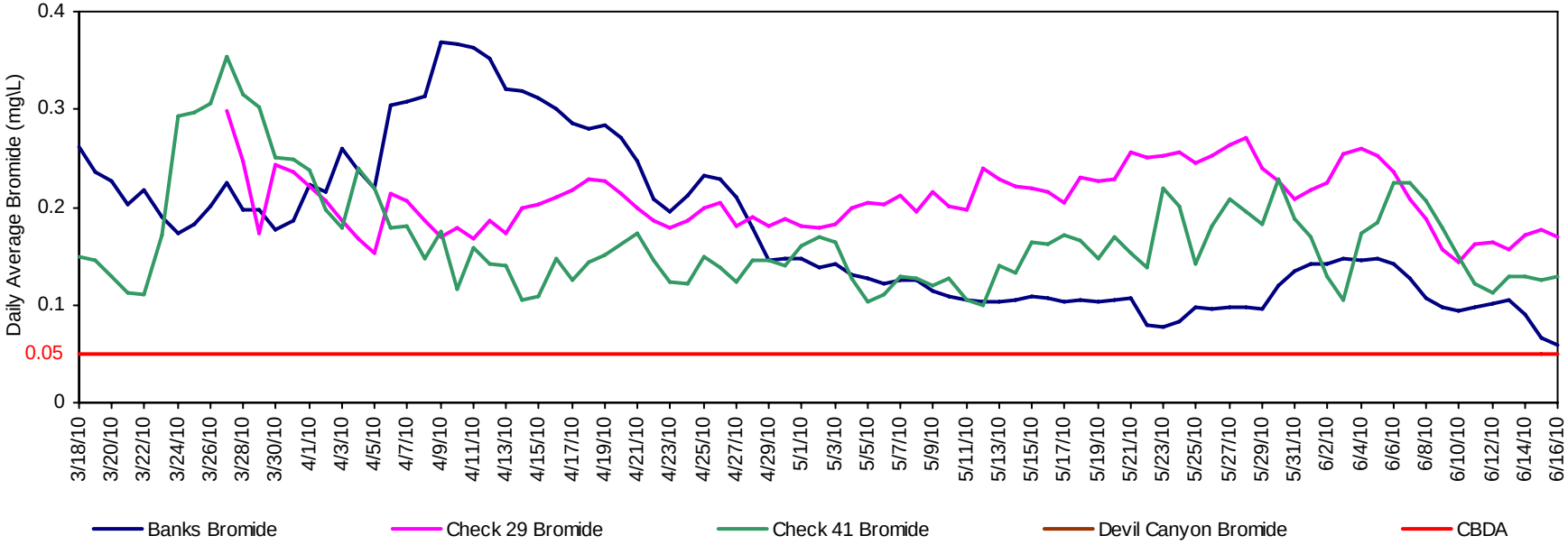
California Aqueduct - Electrical Conductivity



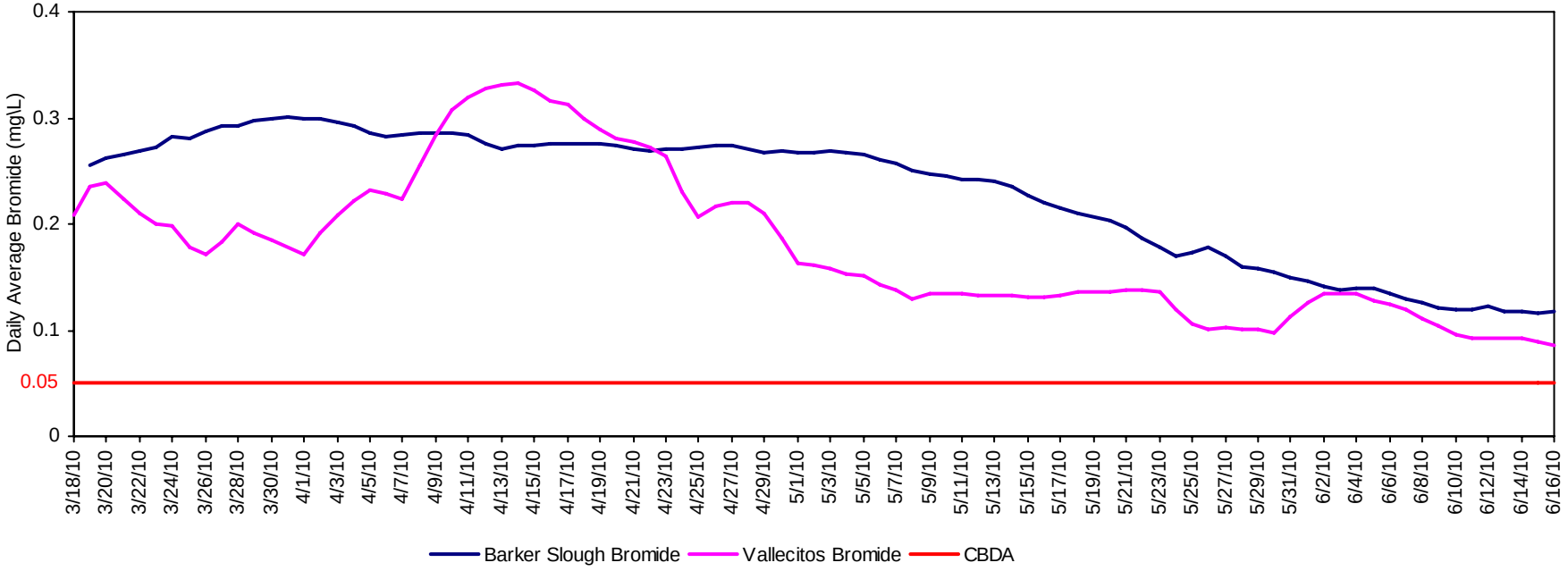
North and South Bay Aqueduct - Electrical Conductivity



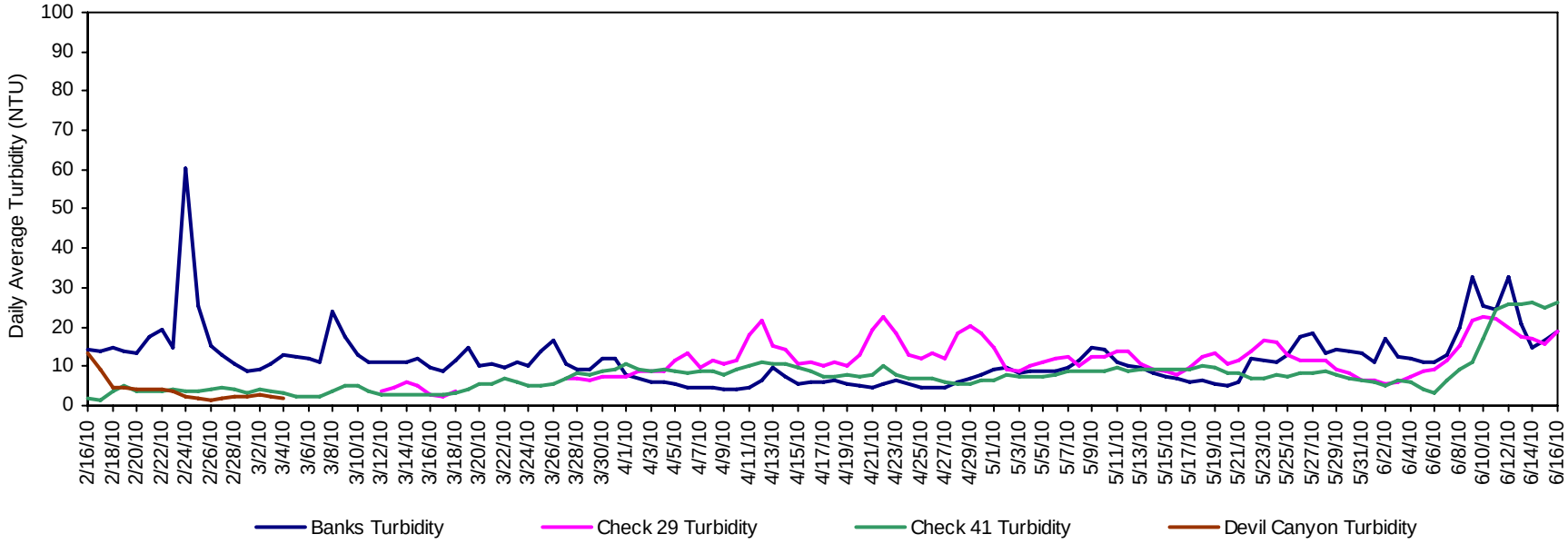
California Aqueduct - Calculated Bromide



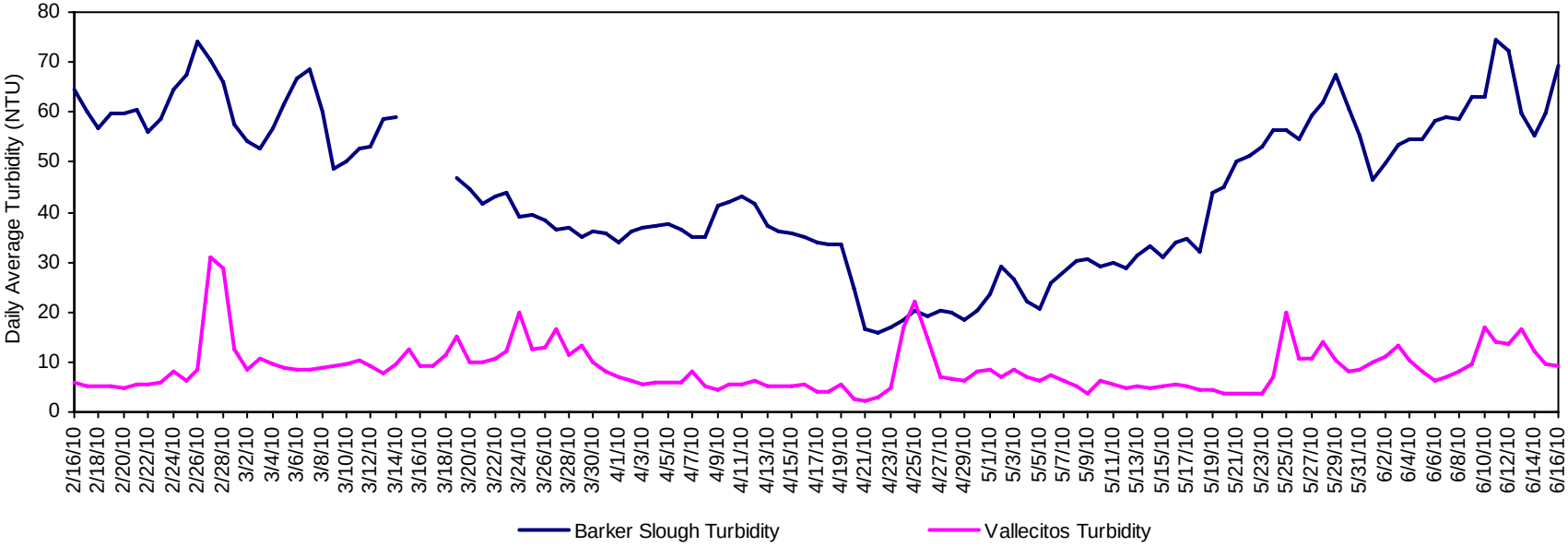
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon